

(PO1NGK002US)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Hiroaki NASU et al.

Serial Number: 09/916,532

Art Unit: 1724

Filed: July 30, 2001

Examiner: Peter A. Hruskoci

For: PROCESS FOR TREATING CHROMATE WASTE LIQUID

DECLARATION UNDER 37 C.F.R. 1.132

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

I, Hiroaki NASU, declare that I am a citizen of Japan residing in Aichi, Japan;

That I am the first inventor of the above-identified application;

That the following experiments were conducted according to my instructions and under my supervision and that the results of the experiments were as stated below.

EXPERIMENT 1

Example 1 of the above-identified application was repeated except that a suspension of $\text{Ca}(\text{OH})_2$ was added in amounts to have pH values of 10 and 10.3 after 30 minutes stirring. The results of the total dissolved Cr after sedimentation, together with those of Table 1 in Example 1, are shown in the attached Figures 1 to 3.

EXPERIMENT 2

Example 2 of the above-identified application was repeated except in that a chromate liquid was prepared by adding 500mg (in terms of Ca) of a CaCl_2 powder per liter of the waste liquid, and then a 2% NaOH aqueous solution was added thereto to have a pH value of 10.3. The results of the

total dissolved Cr, together with those (i.e., the data in case that 500mg of a CaCl_2 powder were added) of Table 2 in Example 2, are shown in the attached Fig. 4.

EXPERIMENT 3

Example 4 of the above-identified application was repeated except in that a chromate liquid was prepared by adding 200mg (in terms of magnesium) of a MgCl_2 powder per liter of the waste liquid, then a 10% NaOH aqueous solution was added thereto to have a pH value of 10.3, and then stirring was conducted for 30min. The results of the total dissolved Cr content, together with those (i.e., the data in case that the stirring time was 30min) of Table 3 in Example 4, are shown in the attached Fig. 5.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the above-captioned application or any patent issuing thereon.

Feb. 24, 2004
Date:

/Hiroaki Nasu
Hiroaki NASU



FIG.1

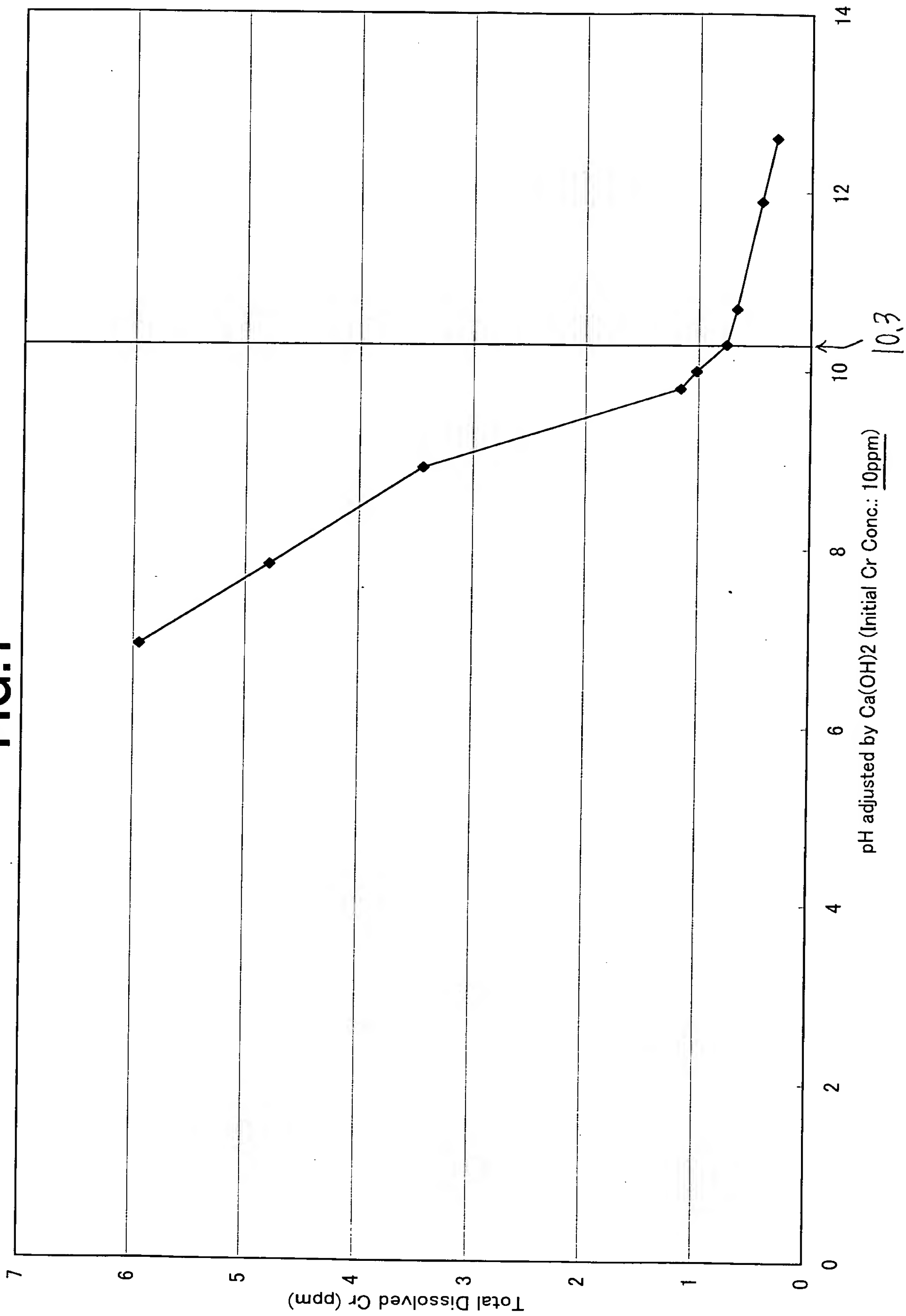




FIG.2

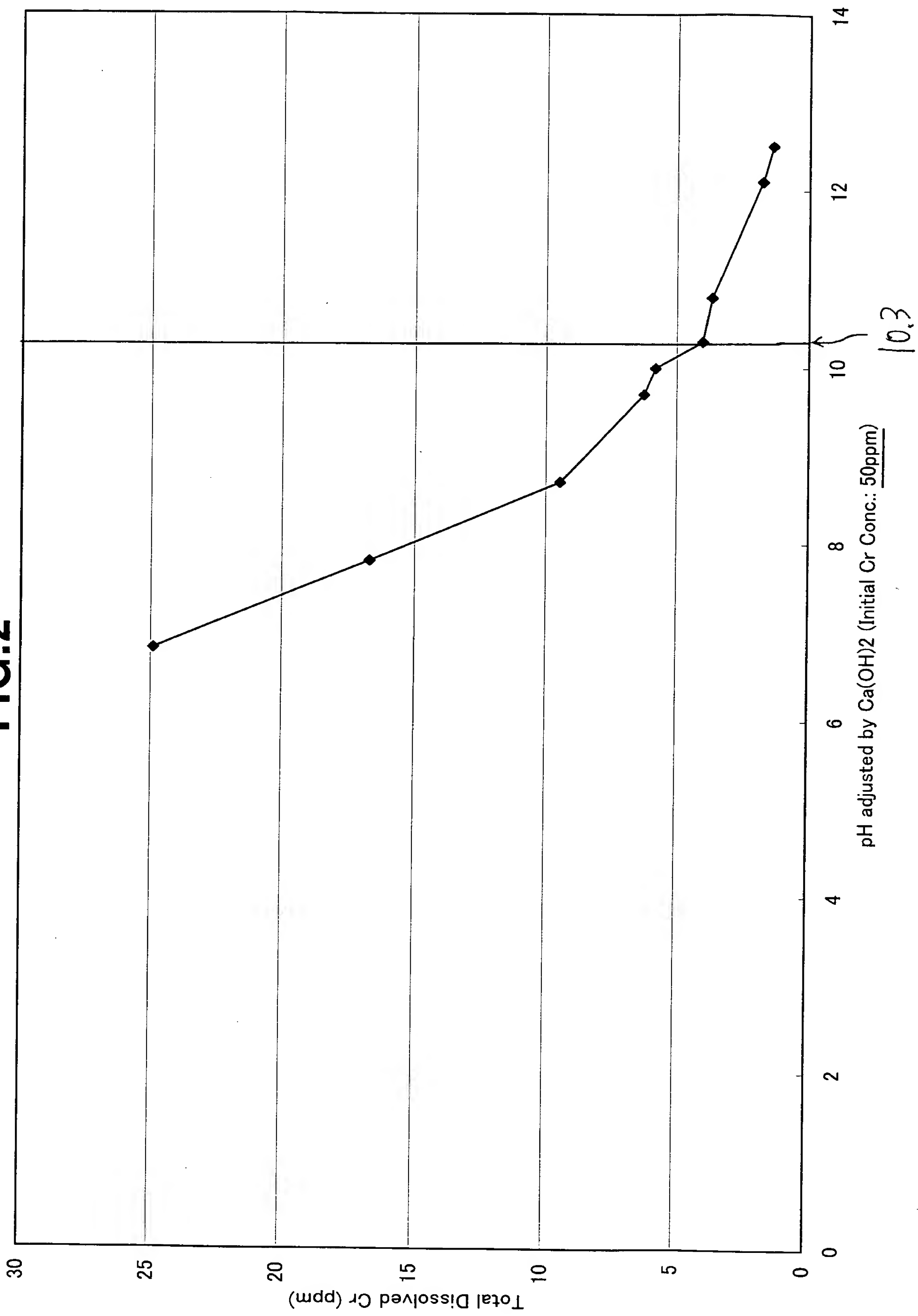




FIG.3

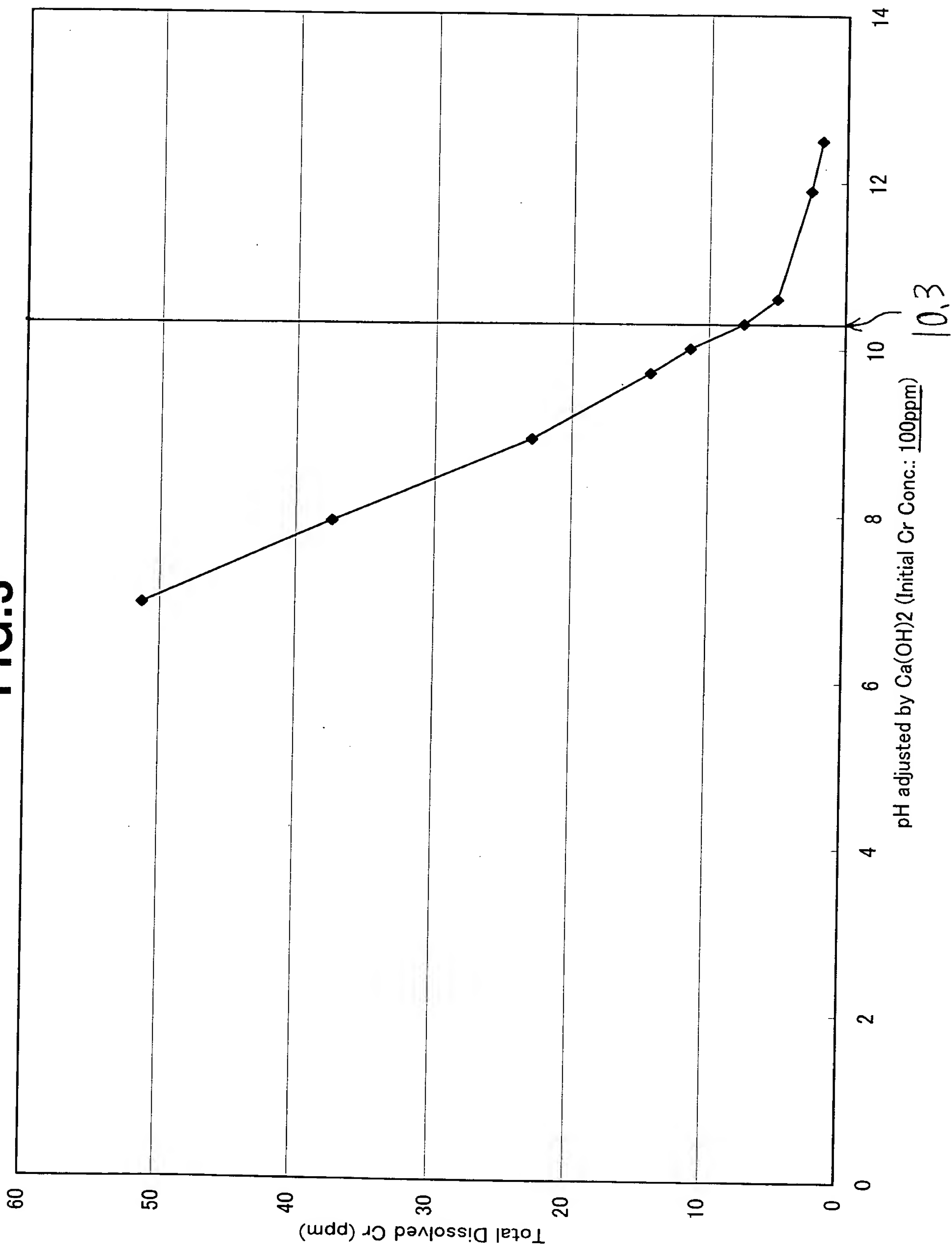




FIG.4

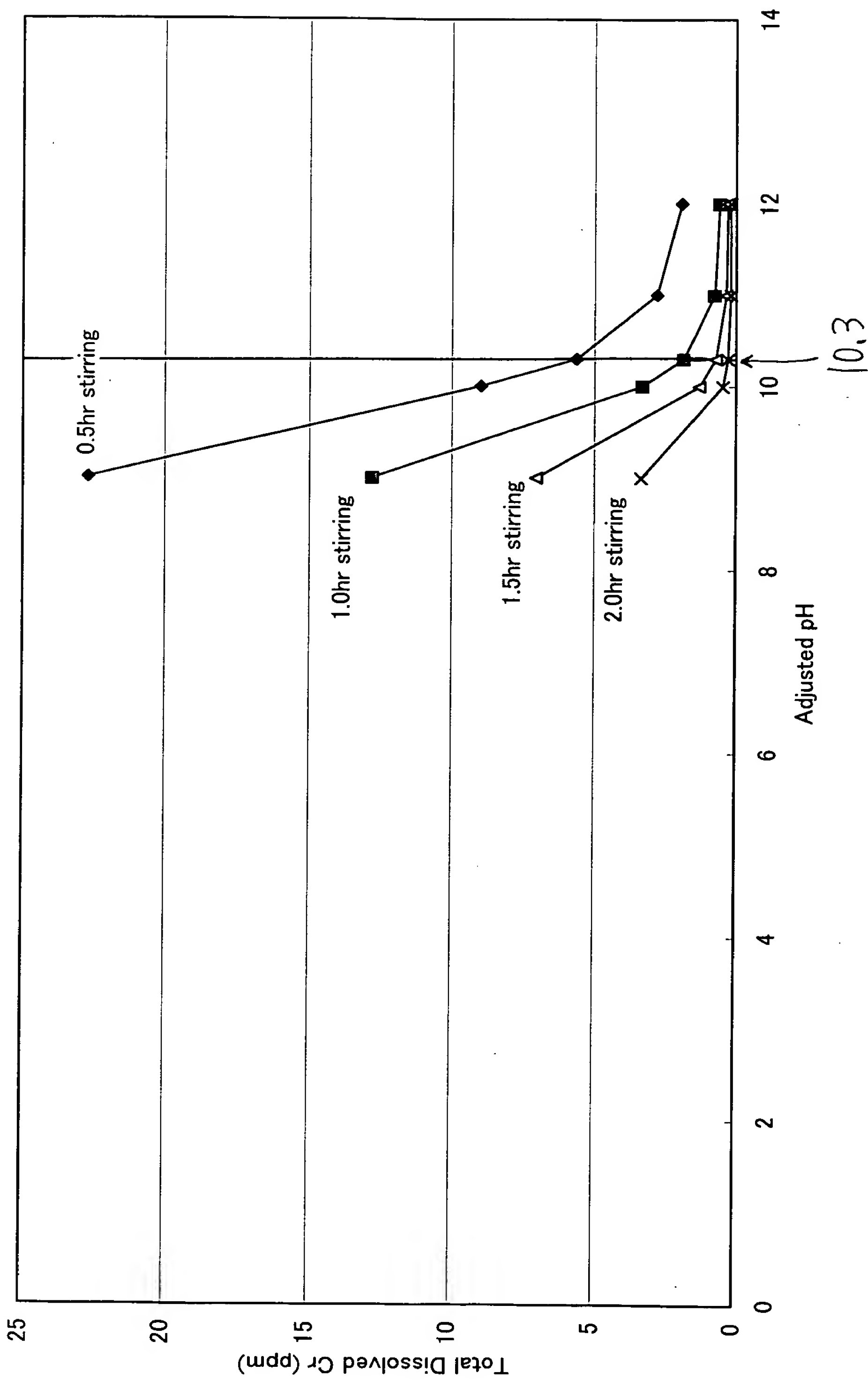


FIG.5

